

INTERNATIONAL SEARCH REPORT

International Application No
F/IN2004/000044

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D307/87

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | WO 98/19511 A (BECH SOMMER MICHAEL ; PETERSEN HANS (DK); BOEGESOE KLAUS PETER (DK); L) 14 May 1998 (1998-05-14) cited in the application page 5, line 28; example 1 page 4, lines 24-32 | 1-9 |
| A | US 4 136 193 A (TOFT ANDERS S ET AL) 23 January 1979 (1979-01-23) cited in the application example 10 | 1-9 |
| X | US 4 650 884 A (BOGESOE KLAUS P) 17 March 1987 (1987-03-17) cited in the application column 3, lines 11-19; examples 1,2 | 10-15 |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

31 January 2005

Date of mailing of the international search report

02. 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Grassi, D

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IN2004/000044

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9

Process according to claims 1-9.

2. claims: 10-15

Process according to claims 10-15.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/IN2004/000044

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| WO 9819511 | A | 14-05-1998 | WO 9819511 A2 | 14-05-1998 |
| | | | AT 232524 T | 15-02-2003 |
| | | | AU 738526 B2 | 20-09-2001 |
| | | | AU 5116798 A | 29-05-1998 |
| | | | BG 104487 A | 31-01-2001 |
| | | | BR 9714924 A | 26-09-2000 |
| | | | CA 2291068 A1 | 14-05-1998 |
| | | | DE 69719098 D1 | 20-03-2003 |
| | | | DE 69719098 T2 | 12-02-2004 |
| | | | DE 1032566 T1 | 15-03-2001 |
| | | | DK 1032566 T3 | 10-06-2003 |
| | | | EA 3132 B1 | 27-02-2003 |
| | | | EP 1032566 A2 | 06-09-2000 |
| | | | ES 2149141 T1 | 01-11-2000 |
| | | | HU 0003666 A2 | 29-06-2002 |
| | | | IL 135813 A | 31-07-2003 |
| | | | JP 2002530296 T | 17-09-2002 |
| | | | NO 20002267 A | 06-07-2000 |
| | | | NZ 504192 A | 20-12-2002 |
| | | | PL 340774 A1 | 26-02-2001 |
| | | | SI 1032566 T1 | 30-06-2003 |
| | | | SK 6812000 A3 | 09-10-2000 |
| | | | TR 200001314 T2 | 21-11-2000 |
| | | | US 6291689 B1 | 18-09-2001 |
| | | | ZA 9810059 A | 05-05-1999 |
| US 4136193 | A | 23-01-1979 | GB 1526331 A | 27-09-1978 |
| | | | AT 360001 B | 10-12-1980 |
| | | | AT 571979 A | 15-05-1980 |
| | | | AT 360002 B | 10-12-1980 |
| | | | AT 572079 A | 15-05-1980 |
| | | | AT 359488 B | 10-11-1980 |
| | | | AT 947276 A | 15-04-1980 |
| | | | AU 509445 B2 | 15-05-1980 |
| | | | AU 2107377 A | 13-07-1978 |
| | | | BE 850401 A1 | 14-07-1977 |
| | | | CA 1094087 A1 | 20-01-1981 |
| | | | CH 626886 A5 | 15-12-1981 |
| | | | CH 632258 A5 | 30-09-1982 |
| | | | CH 632259 A5 | 30-09-1982 |
| | | | DE 2657013 A1 | 28-07-1977 |
| | | | DK 13177 A ,B, | 15-07-1977 |
| | | | ES 454980 A1 | 01-04-1978 |
| | | | FI 770073 A ,B, | 15-07-1977 |
| | | | FR 2338271 A1 | 12-08-1977 |
| | | | IE 44055 B1 | 29-07-1981 |
| | | | JP 1368581 C | 11-03-1987 |
| | | | JP 52105162 A | 03-09-1977 |
| | | | JP 61035986 B | 15-08-1986 |
| | | | NL 970031 II | 01-10-1997 |
| | | | NL 7700244 A ,B, | 18-07-1977 |
| | | | NO 770109 A ,B, | 15-07-1977 |
| | | | NZ 183001 A | 02-06-1978 |
| | | | SE 429551 B | 12-09-1983 |
| | | | SE 7614201 A | 15-07-1977 |
| | | | ZA 7700057 A | 30-11-1977 |
| US 4650884 | A | 17-03-1987 | AT 38661 T | 15-12-1988 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
.../IN2004/000044

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| US 4650884 A | | AU 574819 B2 | 14-07-1988 |
| | | AU 4577685 A | 13-02-1986 |
| | | CA 1237147 A1 | 24-05-1988 |
| | | DE 3566251 D1 | 22-12-1988 |
| | | DK 89595 A | 10-08-1995 |
| | | DK 356285 A | 07-02-1986 |
| | | EP 0171943 A1 | 19-02-1986 |
| | | ES 8606257 A1 | 01-10-1986 |
| | | FI 852902 A ,B, | 07-02-1986 |
| | | FI 20031369 A | 23-09-2003 |
| | | GR 851894 A1 | 03-12-1985 |
| | | IE 57817 B1 | 21-04-1993 |
| | | IL 75690 A | 31-10-1988 |
| | | JP 1902596 C | 08-02-1995 |
| | | JP 6025099 B | 06-04-1994 |
| | | JP 61087654 A | 06-05-1986 |
| | | NO 853091 A ,B, | 07-02-1986 |
| | | NZ 212541 A | 30-05-1988 |
| | | PT 80913 A ,B | 01-09-1985 |
| | | ZA 8505026 A | 25-06-1986 |